PRODUCTION OF @{3754/24}METH)ACRYLIC FUNCTIONAL GROUP-CONTAINING ORGANOSILICON COMPOUND

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Abstract of **JP5306290**

PURPOSE:To easily obtain the subject compound in high yield using inexpensive, easy-to-handle raw materials by reaction of a (meth)acrylic acid with an organosilicon compound having halogen-substituted hydrocarbon group in the presence of a cyclic structure-contg. tertiary amine compound. CONSTITUTION:A (meth)acrylic acid of formula I (R<1> is CH3 or H) is dissolved in e.g. toluene, and a cyclic structure-contg. tertiary amine compound (e.g. 1,8--diazabicyclo[5,4,0]undece-7ene) is added to the resulting solution and the reaction system is heated to 90 deg.C followed by gradually dripping an organosilicon compound having Cl-or Br-substituted hydrocarbon group of formula II (X is Cl or Br; R<2> is 1-10C divalent hydrocarbon; R<3> is CH3 or CH2CH3; n is 1, 2 or 3) (e.g. X-chloropropylmethyl dimethoxysilane) into the system. The resultant system is heated at 90-100 deg.C for 3hr under agitation and aged, and then cooled, and a salt formed is filtered off; the filtrate is then distilled, thus obtaining the objective compound of formula III.